



#5

SEQUENCE LISTING

<110> Jonathan W.

<120> Methods and Products for Peptide-Based cDNA
Characterization and Analysis

<130> 2087 010261

<140> US 09/788,269

<141> 2001-02-16

<150> US 60/182,983

<151> 2000-02-16

<160> 17

<170> Microsoft Word 97 SR-2

<210> 1

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Example of sequence made up entirely of six-codon amino acids

<400> 1

Leu Arg Arg Leu Leu Arg

1

5

<210> 2

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Example of sequence made up entirely of one-codon amino acids

<400> 2

Met Trp Trp Met Met Trp

1

5

<210> 3

<211> 100

<212> DNA

<213> Homo sapiens

<400> 3

gaattcttac acctcactac ttcccaagcc ccaactttct catctgaaaa tggtaatagt 60

atcatcctta catgtttaag gtcatgaatt gctatgtgta

100

<210> 4

<211> 16

<212> PRT

<213> Homo sapiens

<400> 4

Thr Met Ile Thr Pro Ser Leu His Ala Cys Arg Ser Thr Leu Glu Asp

1

5

10

15

<210> 5
 <211> 100
 <212> DNA
 <213> Homo sapiens

 <400> 5
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 caaaggcctg tctgaggata ccactgaaga gacattaaag 100

 <210> 6
 <211> 99
 <212> DNA
 <213> Homo sapiens

 <400> 6
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 tgagaaaatt tcaatagcac atctattagt gttttttat 99

 <210> 7
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> SITE
 <222> (4)..(9)
 <223> Oligonucleotide primer containing EcoRI site

 <400> 7
 cccgaattca gcaggtaaaa atcaagg 27

 <210> 8
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> SITE
 <222> (4)..(9)
 <223> Oligonucleotide primer containing EcoRI site

 <400> 8
 ggggaattct tactcttctc cactgctat 29

 <210> 9
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Nucleotide input sequence used to deonstrate computer program
 capabilities

 <400> 9
 caactagaag aggtaagaaa ctat 24

 <210> 10
 <211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Computer program output of encoded peptides

<400> 10
Gln Leu Glu Glu Val Arg Asn Tyr

<210> 11
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> exon
<222> (37).. (283)

<400> 11
gggaagccca tctccagctg tctgtttccc tttaagtcga atcaagagca acgtggatgg 60
gcggtacctg gtggacggcg tccctttcag ctgctgcaat cctagctcgc cacggccctg 120
catccagtat cagatcacca acaactcagc aactacagt tacgaccacc agacggagga 180
gctcaacctg tgggtgcgtg gctgcagggc tgccctgctg agctactaca gcagcctcat 240
gaactccatg ggtgtcgtca cgctcctcat ttggctcttc gaggtaggcc ctgggcagct 300
gggggtagag ggtaaggaga gcctcc 326

<210> 12
<211> 36
<212> DNA
<213> Artificial sequence

<220>
<223> Primer synthesized and used to PCR amplify rds/peripherin exon 2
from an individual known to carry a wild type allele of
rds/peripherin.

<400> 12
ggcccgaat tctccagctg tctgtttccc tttaag 36

<210> 13
<211> 37
<212> DNA
<213> Artificial sequence

<220>
<223> Primer synthesized and used to PCR amplify rds/peripherin exon 2
from an individual known to carry a wild type allele of
rds/peripherin.

<400> 13
aatttactcg agctaccccc agctgccag ggcctac 37

<210> 14
<211> 364
<212> PRT
<213> Artificial sequence

<220>
<223> Fusion protein

<400> 14

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		20						25					30		
Tyr	Glu	Arg	Asp	Glu	Gly	Asp	Lys	Trp	Arg	Asn	Lys	Lys	Phe	Glu	Leu
	35					40					45				
Gly	Leu	Glu	Phe	Pro	Asn	Leu	Pro	Tyr	Tyr	Ile	Asp	Gly	Asp	Val	Lys
	50				55					60					
Leu	Thr	Gln	Ser	Met	Ala	Ile	Ile	Arg	Tyr	Ile	Ala	Asp	Lys	His	Asn
65				70				75						80	
Met	Leu	Gly	Gly	Cys	Pro	Lys	Glu	Arg	Ala	Glu	Ile	Ser	Met	Leu	Glu
			85					90					95		
Gly	Ala	Val	Leu	Asp	Ile	Arg	Tyr	Gly	Val	Ser	Arg	Ile	Ala	Tyr	Ser
		100						105					110		
Lys	Asp	Phe	Glu	Thr	Leu	Lys	Val	Asp	Phe	Leu	Ser	Lys	Leu	Pro	Glu
	115					120						125			
Met	Leu	Lys	Met	Phe	Glu	Asp	Arg	Leu	Cys	His	Lys	Thr	Tyr	Leu	Asn
	130					135					140				
Gly	Asp	His	Val	Thr	His	Pro	Asp	Phe	Met	Leu	Tyr	Asp	Ala	Leu	Asp
145					150					155				160	
Val	Val	Leu	Tyr	Met	Asp	Pro	Met	Cys	Leu	Asp	Ala	Phe	Pro	Lys	Leu
				165				170					175		
Val	Cys	Phe	Lys	Lys	Arg	Ile	Glu	Ala	Ile	Pro	Gln	Ile	Asp	Lys	Tyr
		180						185					190		
Leu	Lys	Ser	Ser	Lys	Tyr	Ile	Ala	Trp	Pro	Leu	Gln	Gly	Trp	Gln	Ala
	195						200					205			
Thr	Phe	Gly	Gly	Gly	Asp	His	Pro	Pro	Lys	Ser	Asp	Leu	Ile	Glu	Gly
	210				215						220				
Arg	Gly	Ile	Gln	Asp	Leu	Val	Pro	His	Thr	Thr	Pro	His	His	Thr	Thr
225				230						235				240	
Pro	His	His	Thr	Thr	Pro	His	His	Thr	Thr	Pro	Gln	Asp	Leu	Asn	Ser
			245					250					255		
Pro	Ala	Val	Cys	Phe	Pro	Leu	Ser	Arg	Ile	Lys	Ser	Asn	Val	Asp	Gly
		260						265					270		
Arg	Tyr	Leu	Val	Asp	Gly	Val	Pro	Phe	Ser	Cys	Cys	Asn	Pro	Ser	Ser
	275					280						285			
Pro	Arg	Pro	Cys	Ile	Gln	Tyr	Gln	Ile	Thr	Asn	Asn	Ser	Ala	His	Tyr
	290				295					300					
Ser	Tyr	Asp	His	Gln	Thr	Glu	Glu	Leu	Asn	Leu	Trp	Val	Arg	Gly	Cys
305				310						315				320	
Arg	Ala	Ala	Leu	Leu	Ser	Tyr	Tyr	Ser	Ser	Leu	Met	Asn	Ser	Met	Gly
			325					330					335		
Val	Val	Thr	Leu	Leu	Ile	Trp	Leu	Phe	Glu	Val	Gly	Pro	Gly	Gln	Leu
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Gly	Val	Ala	Arg	Ser	Ser	Gly	Arg	Ile	Val	Thr	Asp				
	355					360									

<210> 15

<211> 87

<212> DNA

<213> Artificial sequence

<220>

<221> misc_feature

<222> (35)..(37)

<223> Upstream primer used to reamplify amplicons
Start codon at 35-37

<400> 15

ggatcctaatacgcactatagggagaccaccatgcaccaccatcatcaccatcacca 60
ctctccagctgtctgtttccctttaag 87

<210> 16
<211> 35
<212> DNA
<213> Artificial sequence

<220>
<223> Downstream primer used to reamplify amplicons

<400> 16 .
cttagtcatt atacccccag ctgcccaggg cctac 35

<210> 17
<211> 28
<212> DNA
<213> Artificial sequence

<220>
<223> Ending of hemoglobin alpha 2 transcript

<400> 17
gcggcaaaaa aaaaaaaaaa aaaaaaaaa 28